Access-uplink closed loop power control by MMR-BS or RS in MMR system

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Access-uplink closed loop power control by MMR-BS or RS in MMR system

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ETRI, Samsung Thales

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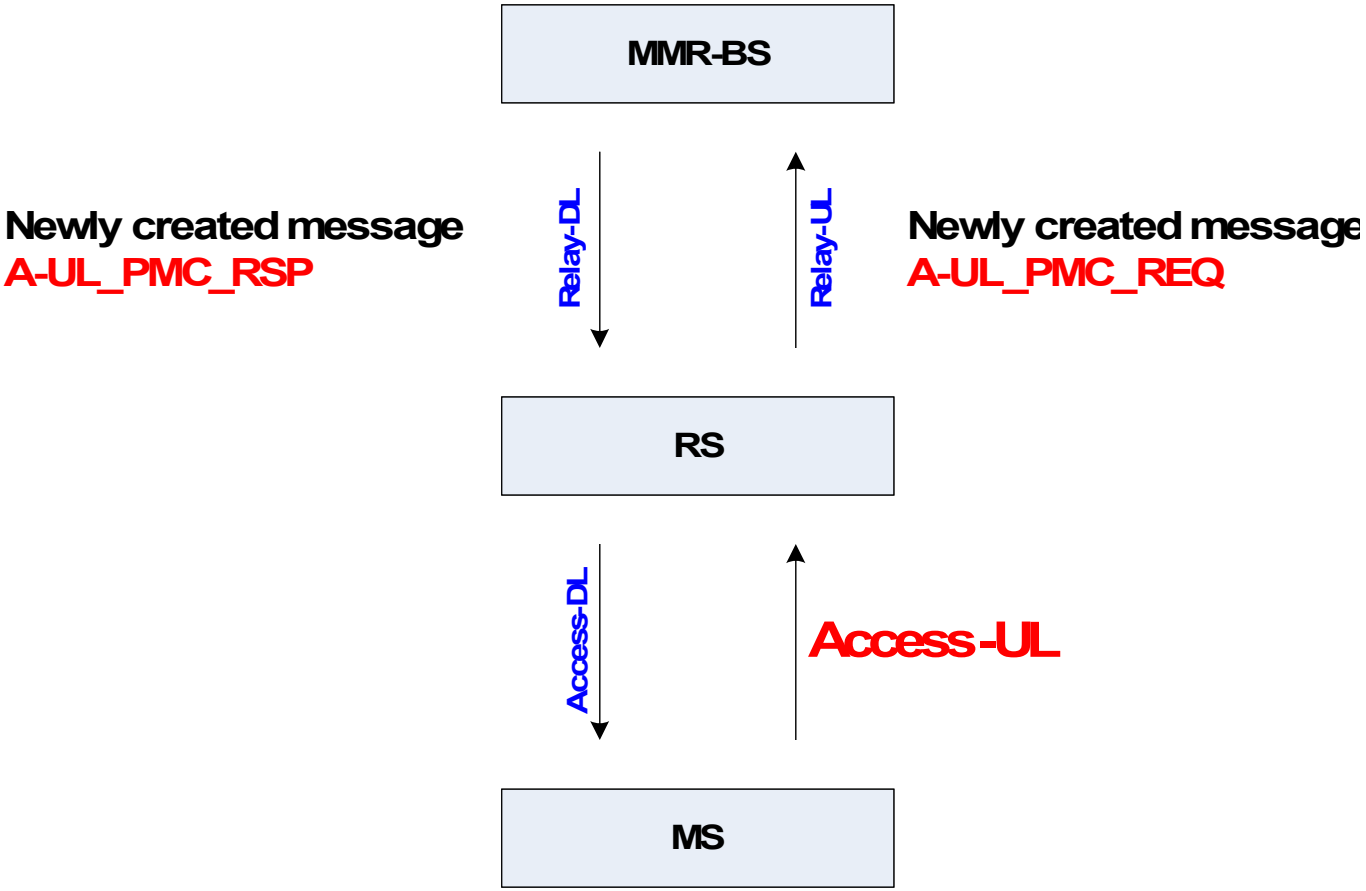
Objectives of this Contribution

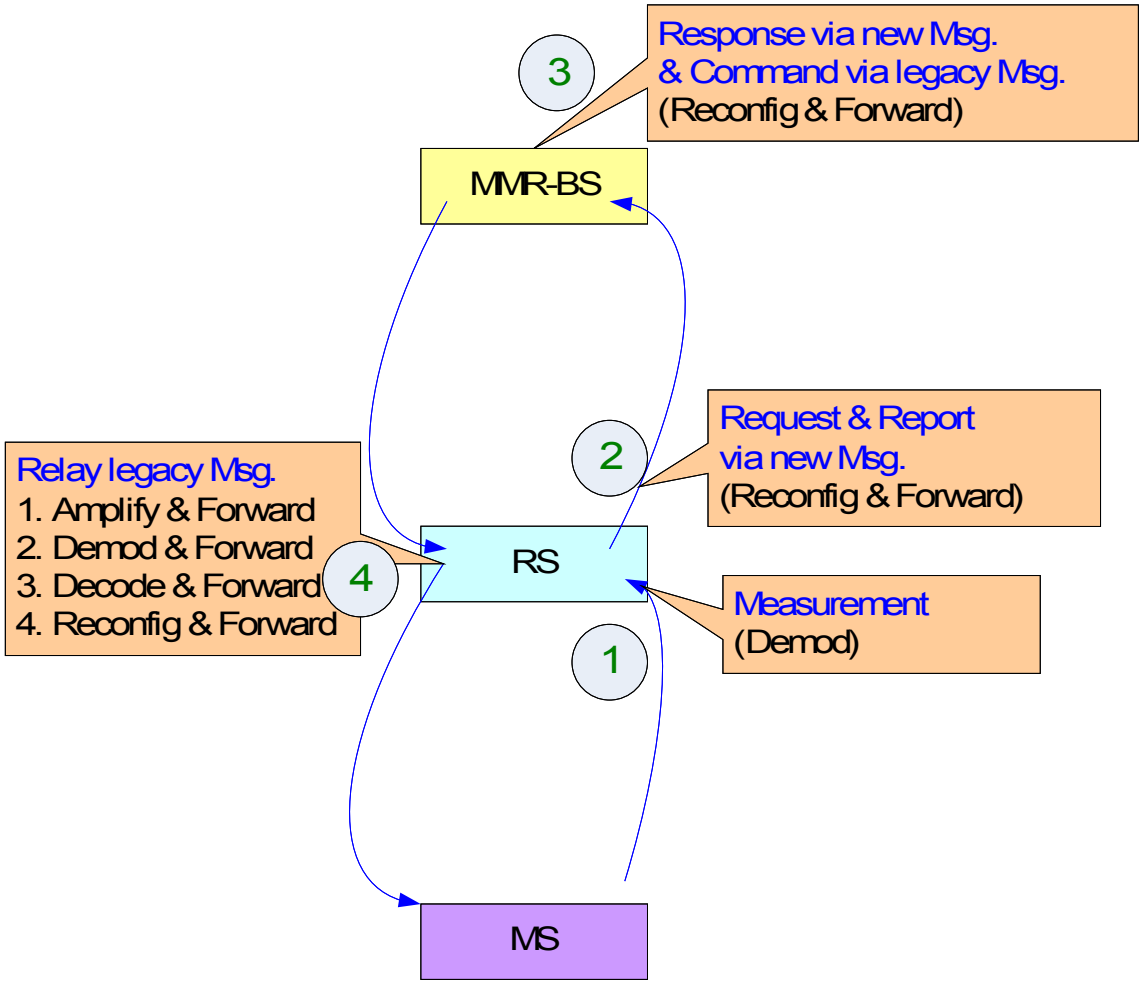
- We propose new MAC messages between MMR-BS and RS for access-uplink closed loop power control



Who does control the MS's transmission power level ? (1)

MMR_BS-controlled access-UL power control mode (MODE-A)

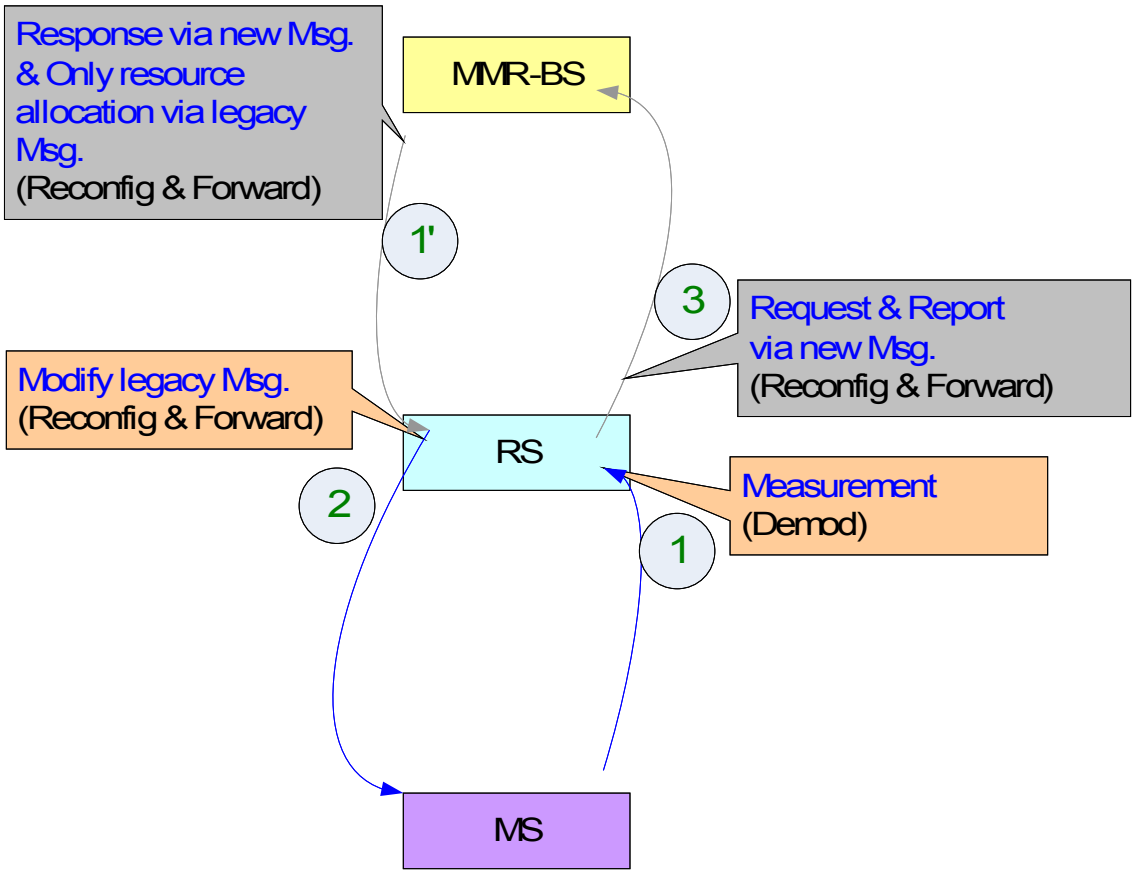
- Default mode



Who does control the MS's transmission power level (2)

RS-controlled access-UL power control mode (MODE-B)

- MODE-B is started after MMR-BS's decision from MODE-A to this mode
- MODE-B is more faster power control than MODE-A in multi-hop case



Summary

1. We propose new MAC messages (A-UL_PMC_REQ, A-UL_PMC_RSP) between MMR-BS and RS for access-UL power control mode change request and response
2. Actually we use a legacy message for MS's identification of its power adjustment level because of backward compatibility

Proposed Text Changes

Refer to “C80216j-06_244.doc”